



TOP PAGE | QUERY | RESULTS | PROJECTS | VIEWS | DATABASES | HELP

Reset

View * Complete entries *

This entry is from: DDBJRELEASE:AF068226

DDBJRELEASE[Save](#)[Link](#)[Launch](#)[NClustalW](#)[Printer Friendly](#)

LOCUS AF068226 2023 bp DNA linear BCT 03-APR-2000
 DEFINITION Enterobacter aerogenes UDP-sugar hydrolase precursor (ushA) gene, complete cds.
 ACCESSION AF068226
 VERSION AF068226.1
 KEYWORDS .
 SOURCE Enterobacter aerogenes
 ORGANISM Enterobacter aerogenes
 Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Enterobacter.
 REFERENCE 1 (bases 1 to 2023)
 AUTHORS Lee, K.-S., Song, S.B., Kim, K.E., Kim, Y.-H., Kim, S.-K., Kho, B.-H., Ko, D.-K., Choi, Y.-K., Lee, Y.-K., Kim, C.-K., Kim, Y.-C., Lim, J.-Y., Kim, Y., Min, K.-H. and Wanner, B.L.
 TITLE Cloning and characterization of the UDP-sugar hydrolase gene (ushA) of Enterobacter aerogenes IFO 12010
 JOURNAL Biochem. Biophys. Res. Commun. 269 (2), 526-531 (2000)
 MEDLINE 20175236
 PUBMED 10708587
 REFERENCE 2 (bases 1 to 2023)
 AUTHORS Lee, K.-S., Song, S.B., Kim, K.E., Kim, Y.-H., Kim, S.-K. and Ko, D.-K.
 TITLE Direct Submission
 JOURNAL Submitted (26-MAY-1998) Biology, Pai-Chai University, 439-6, Doma 2-Dong, Seo-Gu, Taejon 302-735, South Korea
 FEATURES Location/Qualifiers
source
 1..2023
 /organism="Enterobacter aerogenes"
 /strain="IFO12010"
 /db_xref="taxon:548"
 -35_signal 276..281
 /note="putative"
 -10_signal 297..302
 /note="putative"
 gene 326..1988
 /gene="ushA"
 RBS 326..329
 /gene="ushA"
 /note="putative"
 CDS 336..1988
 /gene="ushA"
 /note="UshA"
 /codon_start=1
 /transl_table=11
 /product="UDP-sugar hydrolase precursor"
 /protein_id="AAF12718.1"
 /db_xref="GI:6465919"
 /translation="MHYLKRGVALALFAALSLGSLSAQAYEQDKTYKITILHTNDHHG
 HFWRNDYGEYALAAQKTLVDGIRKEVAEAGGSVLLSGGDINTGVPESDLQDAEPDFR
 GMNLIGYDAMAVGNHEFDNPLSVVRQQEKWSKFPFLSANIYQKSTGERLFKPWALFKR
 GGLKIAVIGLTDDTAKIGNPEYFTDIEFRNPAAEAKLVIQELQQNEKPDVILATTHM
 GHYDNGNHGSNAPGDVEMARSLPAGSLAMIVGGHSQDPVCMASENKKQVDYIPGTPCA
 PDRQNGIWIVQAHEWGKYVGRADFEFRNGEMKLVHYQLIPVNLKKVTDNGQSERVL
 YTPQIAENPQMLSLLTPFQNKGKAQLQVKIGSVNNGLEGDRSKVRFVQTNMGRLLLAA
 QMAGSNADFAVMGGIIRDSEAGDITYKDVMKVQPFGNVLTYVDMMSGKEVTEYLAV
 AQMKPDGAYAQFANVSFVAKDGKLNDLKIKGEPVPAKTYRMATLSFNATGRDGYPQ
 IDNKPGYVNTGFIDAELKEYIEKNSPLDAAAYEPKGEVSWQ"

BASE COUNT 502 a 502 c 596 g 423 t
ORIGIN

```

1  gaattccgcc tgcagcagcg gataaatcg caggatgagc gactggatca tatcgtttag
61 cagatggag aggctaattg cccccaggat gccaaatgag gtgcgcgtt ttgcggcgg
121 cgcgccgtt ccgggttaagg actgagcgg a ttggttggtt gtcataaggtt cacttcagcg

```

181 agttctattt gtttagaga atgcaggtt aattattatc cgactaacat acctgtccct
241 aaggttgaa ggaagtcgca attctgaaaa cataatttgtc aaagcggctg actcgctata
301 ctittcggcac ttgttattaa gtcagggagt gaaacatgca ttatttaaaa cgcggcgtag
361 cgcggcggtt attcggccgc ttatcgctgg gcagccgtc agcgcaggcc tatgagcagg
421 acaaaaaccta taaaatcacc atcctgcaca ctaacgacca ccacggtcat ttctggcgca
481 acgactatgg cgaatatgcg ttgcggcac agaagacgct ggtggacggt atccgcaaag
541 aggtggcgcc cgaaggcggt agcgtccgtc tgctgtccgg cggcgatatac aataccgggg
601 tggcggaaatc cgatttacag gatgcagaac ctgatttcg cggcatgaac ctgattggct
661 acgatgccat ggcgggtggc accatgagt ttgataaccc gctcagcgtc gtgcgccagc
721 aggagaagtg gtcgaagttc ctttcctgt cggccaatat ctatcagaaa agcaccggcg
781 aacgcctgtt taaacctgg ggcgtgtta agcgcggcg gcttaaaatt gcggtgattt
841 gcttaacgac cgacgatacg gcgaaaatcg gcaacccgga atatttaccat gatatcgaat
901 tccgtaatcc ggcggcagaa gccaagctgg tgattcagga gctgcagcaa aatgaaaagc
961 cggacgtgat tctggcgacc acccatatgg gccactatga caacggtaat cacggctcta
1021 acgcgcctgg cgacgttcaa atggcgcgaa gtttacactgc gggatcgctg gcgatgatcg
1081 tcggcggcca ttgcaggat cggctctgca tggcctcgga aaataaaaag caggtcgatt
1141 atatccccgg caccggcgtc ggcggggatc gccagaatgg catctggatc gtgcaggctc
1201 acgagtgggg taaatatgtc ggacgcgcg attttgaatt ccgcaacggg gagatgaagc
1261 tggtgcacta tcagctgatc cccgtcaacc tgaagaagaa agtcacccgtt gataacggtc
1321 agagcgagcg cgtatgtat acgcccgcaaa ttgcgtaaaa cccgcagatg ctctcgctgt
1381 taacgcgtt ccagaataaa ggcaaggcgc agttacaggt gaaaataggc agcgtcaacg
1441 gccatcttga aggcgatcg agcaaagttc gcttcgtaca aaccaatatg gggcgtctgc
1501 tgctggcggc gcagatggcc ggcagcaatg ctgatttcg ggtgatgagc ggcggcggta
1561 ttgcgcaccc tatcgaagcg ggtgatattt cctataaaga cgtgatgaaa gtgcaggcg
1621 tcggcaacgt gctgacttac gtcgatatga gcggtaaaga ggtgactgag tacctgaccg
1681 ccgtcgccca gatgaagccg gattccggcg cttatgcgc gttcgccaaac gtcagtttcg
1741 ttgccaaga tggcaagctt aacgatctga aaatcaaagg cgaaccggtg gatccggcga
1801 aaacttaccg tatggcgacg ctgagctta acgcacccgg gcgtgacggc taccggcaga
1861 tcgataataa accgggatac gtcaataccg gctttatcga tgccgaggtt ctgaaagagt
1921 acatcgagaa gaactcgccg ctggatgcccgg cggcttacga gccgaagggc gaagtcaac
1981 ggcagtaacg tatcgcttaa cggatccgg ataaggcg aac

//

SRS 6.1.3.11 | [feedback](#)